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INTERNATIONAL SEARCH REPORT

International application No.

	INTERNATIONAL SEARCH REPORT		PCT/JP2	1006/306803
A. CLASSIFICATION OF SUBJECT MATTER C12N15/09(2006.01), A61K39/395(2006.01), C07K16/18(2006.01), C12N1/15 (2006.01), C12N1/19(2006.01), C12N1/21(2006.01), C12N5/10(2006.01), C12P21/02(2006.01) According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C12N15/09(2006.01), A61K39/395(2006.01), C07K16/18(2006.01), C12N1/15 (2006.01), C12N1/19(2006.01), C12N1/21(2006.01), C12N5/10(2006.01), C12P21/02(2006.01) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2006 Kokai Jitsuyo Shinan Koho 1971-2006 Toroku Jitsuyo Shinan Koho 1994-2006 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
	s (JDream2)	data base and, where	praeticable, scaren	terms used)
C. DOCUMEI	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relev	ant passages	Relevant to claim No.
У	Sal-Man N. et al., Arginine of transmembrane domain of Tar, aspartate receptor, can drive dissociation and heterodimer Biochem.J., 2005 Jan. 1, Vol. pages 29 to 36, particularly, right column, line 6th from the page 30, left column, line 23. Kumar R. et al., The second I INAD is a type I domain involeye protein kinase C. Mutationaturally occurring variants, 2001, Vol.276, No.27, pages 22 particularly, page 24971, right column, page 24974, lines 4 to 11; Fig. 2	an Escheric homodimer association 385 (Pt 1), page 29, 1 the bottom to a second point of the bottom to a second point analysi J.Biol.Che 24971 to 249 th column,	hia coli in vivo, ower o f ing to s and m.,	1-97 1-97
× Further de	ocuments are listed in the continuation of Box C.	See patent far	nily annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" carlier application or patent but published on or after the international filing date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention step when the document is taken alone document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention cannot be special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "E" later document published after the international filing date or prior date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered to involve an invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			ion but cited to understand vention aimed invention cannot be pred to involve an inventive animed invention cannot be powhen the document is ocuments, such combination art	
	al completion of the international search e, 2006 (29.06.06)	Date of mailing of the 11 July,	lie international sea 2006 (11.	

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2006/306803

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2004-0866862 A (Celestar Lexico-Sciences Inc.), 18 March, 2004 (18.03.04), Particularly, abstract; Fig. 8; Par. No. [0019] & US 2005/0130224 A1 & EP 1510943 A1 & WO 03/107218 A1	1-97
У	JP 11-500916 A (Genentech Inc.), 26 January, 1999 (26.01.99), Particularly, Claims; Figs. 1 to 4 & US 5731168 A & WO 96/027011 A1 & EP 812357 A1	17-23,41-47, 68-97
A	Maity H. et al., Equilibrium unfolding of dimeric and engineered monomeric forms of lambda Cro (F58W) repressor and the effect of added salts: evidence for the formation of folded monomer induced by sodium perchlorate., Arch.Biochem.Biophys., 01 February, 2005 (01.02.05), Vol.434, No.1, pages 93 to 107	1-97
A	Liu X.Y. et al., Functional interactions between arginine-133 and aspartate-88 in the human reduced folate carrier: evidence for a charge-pair association, Biochem.J. 2001, Vol.358(Pt), pages 511 to 516	1-97
A	WO 97/10354 A1 (KYOWA HAKKO KOGYO CO., LTD.), 20 March, 1997 (20.03.97), Particularly, page 84, 9th line from the bottom to page 90, 9th line from the bottom & US 6018032 A & EP 811691 A1	1-97
A	JP 8-500979 A1 (SMITH KLINE BEECHAM CORP.), 06 February, 1996 (06.02.96), Particularly, examples 4 to 6 & WO 94/05690 A1	1-97

国際出願番号 PCT/JP2006/306803

発明の属する分野の分類(国際特許分類(IPC))

C12N15/09(2006.01), A61K39/395(2006.01), C07K16/18(2006.01), C12N1/15(2006.01), C12N1/19(2006.01), C12N1/21 (2006. 01), C12N5/10 (2006. 01), C12P21/02 (2006. 01)

調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

C12N15/09 (2006. 01), A61K39/395 (2006. 01), C07K16/18 (2006. 01), C12N1/15 (2006. 01), C12N1/19 (2006. 01), C12N1/21 (2006.01), C12N5/10 (2006.01), C12P21/02 (2006.01)

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1922-1996年 日本国公開実用新案公報 1971-2006年 1996-2006年 日本国実用新案登録公報 日本国登録実用新案公報 1994-2006年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

JSTPlus(JDream2)

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C. 1247 9		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Y	Sal-Man N et al, Arginine mutations within a transmembrane domain of Tar, an Escherichia coli aspartate receptor, can drive homodimer dissociation and heterodimer association in vivo, Biochem J, 2005 Jan 1, vol.385(Pt 1), p.29-36、特に第 29 頁右欄下から 6 行一第 30 頁左欄第 23 行等参照	1 — 9 7
Y	Kumar R et al, The second PDZ domain of INAD is a type I domain involved in binding to eye protein kinase C. Mutational analysis and naturally occurring variants, J Biol Chem, 2001, vol.276, no.27,	1 — 9 7

C欄の続きにも文献が列挙されている。 V

パテントファミリーに関する別紙を参照。

- 引用文献のカテゴリー
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- 「E」国際出願日前の出願または特許であるが、国際出願日 以後に公表されたもの
- 「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用す る文献 (理由を付す)
- 「O」ロ頭による開示、使用、展示等に言及する文献
- 「P」国際川願日前で、かつ優生権の主張の基礎となる川願 「&」同一パテントファミリー文献

- の日の後に公表された文献
- 「T」国際出願日又は優先日後に公表された文献であって 出願と矛盾するものではなく、発明の原理又は理論 の理解のために引用するもの
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国際調査を完了した日 29.06.2006	国際調査報告の発送日 11.07.	200) 6
国際調査機関の名称及びあて先	特許庁審査官(権限のある職員)	4 B	9359
日本国特許庁(ISA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	光本 美奈子 電話番号 03-3581-1101 内線 3		4 4 8

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国際調査報告

国際出願番号 PCT/JP2006/306803

C(続き).	関連すると認められる文献				
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号			
	p.24971-24977、特に第 24971 頁右欄第 25-31 行、第 24974 頁左欄第 4-11 行、 図 2 等参照				
Y	JP 2004-0866862 A (Celestar Lexico-Sciences Inc) 2004.03.18, 特に要約、図8,[0019]等& US 2005/0130224 A1 & EP 1510943 A1 & WO 03/107218 A1	1 – 9 7			
Y	JP 11-500916 A (Genentech Inc) 1999.01.26,特に請求の範囲、図 1 一図 4 等 & US 5731168 A & WO 96/027011 A1 & EP 812357 A1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
A	Maity H et al, Equilibrium unfolding of dimeric and engineered monomeric forms of lambda Cro (F58W) repressor and the effect of added salts: evidence for the formation of folded monomer induced by sodium perchlorate., Arch Biochem Biophys, 2005 Feb 1, vol.434, no.1, p.93-107	1 - 9 7			
A	Liu XY et al, Functional interactions between arginine-133 and aspartate-88 in the human reduced foliate carrier: evidence for a charge-pair association, Biochem J. 2001, vol.358(Pt 2), p.511-516	1 - 9 7			
A	WO 97/10354 A1 (KYOWA HAKKO KOGYO CO., LTD) 1997.03.20, 特に第84 頁下から第9行一第90頁下から9行 & US 6018032 A & EP 811691 A1	1 – 9 7			
A	JP 8-500979 A1 (SMITH KLINE BEECHAM CORP.) 1996.02.06, 特に実施例4-6 参照& WO 94/05690 A1	1 - 9 7			